

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2005/001471

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F04B47/06, E21B43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 F04B47/06, 47/12, 47/02, 47/00, E21B43/00, 43/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Chinese Inventions 1985-2005; Chinese Utility Models 1985-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI EPODOC PAJ CNPAT
pump, oil, rod, motor, electric+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN,Y,2599279(XINCHENG PETROLEUM MACHINERY FACTORY,SHENYANG)14.Jan.2004(14.01.2004), pageline6-page3line18,fig uresl-3	1,8
A	CN,A,1415858(LI,Hualin)07.May2003(07.05.2003), the whole document	1-8
A	CN,Y,2555422(JIANGShuwen)11.Ju ne2003(11.06.2003), the whole document	1-8
A	CN,Y,2623872(SUN,Ping)07July2004(07.07.2004), the whole document	1-8

Further documents are listed in the continuation of Box C.

See patent 伍nily annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	" & "document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 15.Nov.2005(15.11.2005)	Date of mailing of the international search report <u>10° DFr. 2005 (15.19.905)</u>
Name and mailing address of the ISA/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Authorized officer SUN,Hongxia Telephone No. (86-10)62085459

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2005/001471

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CNY,2599279	14.01.2004	none	
CN,A,1415858	07.05.2003	none	
CN,Y,2555422	11.06.2003	none	
CN,Y,2623872	07.07.2004	none	

A 主题的分类

IPC 7 F04B47/06, E21B43/00

按照国际专利分类表(IPC)或者同时按照国家分类和IPC 丙种分类

B 检索领域

检索的最低限度文献(标明分类系统和分类号)

IPC 7 F04B47/06, 47/12, 47/02, 47/00, E21B43/00, 43/12

包含在检索领域中的除最低限度文献以外的检索文献

中国发明专利 1985-2005; 中国实用新型专利 1985-2005

在因特网检索时查到的电子数据表(数据表的名称, 和使用的检索词 C如使用))

WPI EPODOC PAJ CNPAT

泵, 油, 液压油, 元件, 齿轮 pump, oil, rod, motor, electric+

C 相关文件

类型*	引用文件, 必要时, 指明相关段落	相关的权利要求
X	CN,Y,2599279(沈阳市新城石油机械厂)14 1月 2004(14.01.2004), 兄弟明伟的第 1 页第 6 行-第 3 页第 18 行及附图 1-3	1-8
A	CN,A,1415858(李肇林)07 5 月 2003(07.05.2003), 兄弟明伟全文	1-8
A	CNY,2555422(姜树文)11 6 月 2003(11.06.2003), 兄弟明伟全文	1-8
A	CN,Y,2623872(孙平)07.7 月 2004(07 .07.2004), 兄弟明伟全文	1-8

D 其余文件在 C 标注的续页中列出。**E 兄弟专利附图。**

- * 引用文件的具体类型:
 - "A" 表示特别指出了具有技术一般性的文件
 - "E" 在国际申请日或优先权日之后公布的在先专利
 - "L" 可能时优先权要求构成怀疑的文件, 或者确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件
 - "O" 涉及口头公开、使用、展块或其他方式公开的文件
 - "P" 公布日早于国际申请日但迟于所要求的优先权日的文件
- "T" 在申请日或优先权日之后公布, 且申请不相抵触, 但为了理解发明之理据或原理的在后文件
- "X" 特别指明的文件, 草图考虑该文件, 确定要求保护的发明不是新颖的或不具有创造性
- "Y" 特别指明的文件, 该文件与另一篇或多篇现有技术结合并且这种结合对于本领域技术人员来说是显而易见的, 要求保护的发明不具有创造性
- "&" 同族专利的文件

防检索完成的日期 15.11 月 2005(15.11.2005)	国际专利申请日期 15 · 11 · 2005 (15 · 11 · 2005)
中华人民共和国国家知识产权局(ISA/CN) 地址: 北京市海淀区同德西路6号 100088 电话: (86-10)62019451	受权官员 孙宏霞 代理人: (86-10)62085459

國阮穎案報告
关于同族专利的信息

國阮申清弓
PCT/CN2005/001471

检索报告中引用的专利文件	公布日期	同族专利	公布日期
CN,Y,2599279	14.01.2004	元	
C臥A,1415858	07.05.2003	元	
CN,Y,2555422	11.06.2003	元	
CN,Y,2623872	07.07.2004	元	